Title (en)
Method and system for detecting anomaly in passenger flow

Title (de)
Verfahren und System zur Erkennung von Unregelmäßigkeiten in einem Passagierstrom

Title (fr)
Procédé et système permettant de détecter une anomalie dans un flux de passagers

Publication
EP 2784729 A1 20141001 (EN)

Application
EP 13305366 A 20130325

Priority
EP 13305366 A 20130325

Abstract (en)
A method for detecting an anomaly in a passenger flow towards a transport device is disclosed. The method comprising the steps of aggregating historical data relating to said passenger flow and determining a forecast passenger flow value for a target time frame on the basis of said historical data. The method includes computing a first forecast on the basis of the passenger flow in a first set of said time frames directly preceding said target time frame. The method also includes computing a second forecast on the basis of the passenger flow in a second set of said time frames, said second set of time frames having occurred on a same weekday and at a same time as the target time frame, in weeks preceding the target time frame. The method further comprises combining the first and second forecasts.

IPC 8 full level
G06Q 10/04 (2012.01)

CPC (source: EP)
G06Q 10/04 (2013.01)

Citation (applicant)
US 6721714 B1 20040413 - BAIADA R MICHAEL [US], et al

Citation (search report)
- [I] US 7987106 B1 20110726 - AYKIN TURGUT [US]
- [I] MAN-CHUN TAN ET AL: "An Aggregation Approach to Short-Term Traffic Flow Prediction", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, IEEE, PISCATAWAY, NJ, USA, vol. 10, no. 1, 1 March 2009 (2009-03-01), pages 60 - 69, XP011347165, ISSN: 1524-9050, DOI: 10.1109/TITS.2008.2011693

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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